

**FIG. 1**

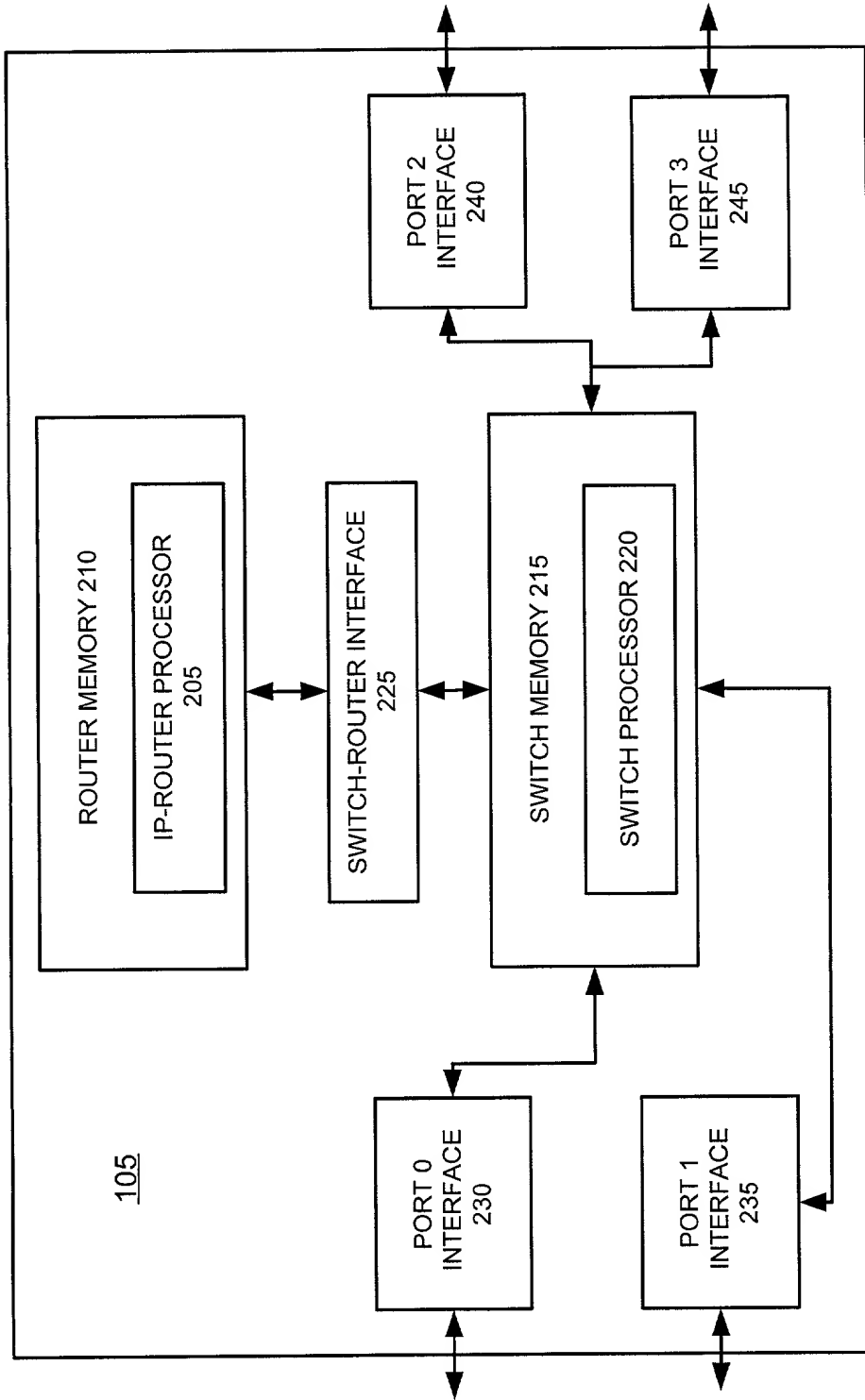


FIG. 2

VC TABLE 300

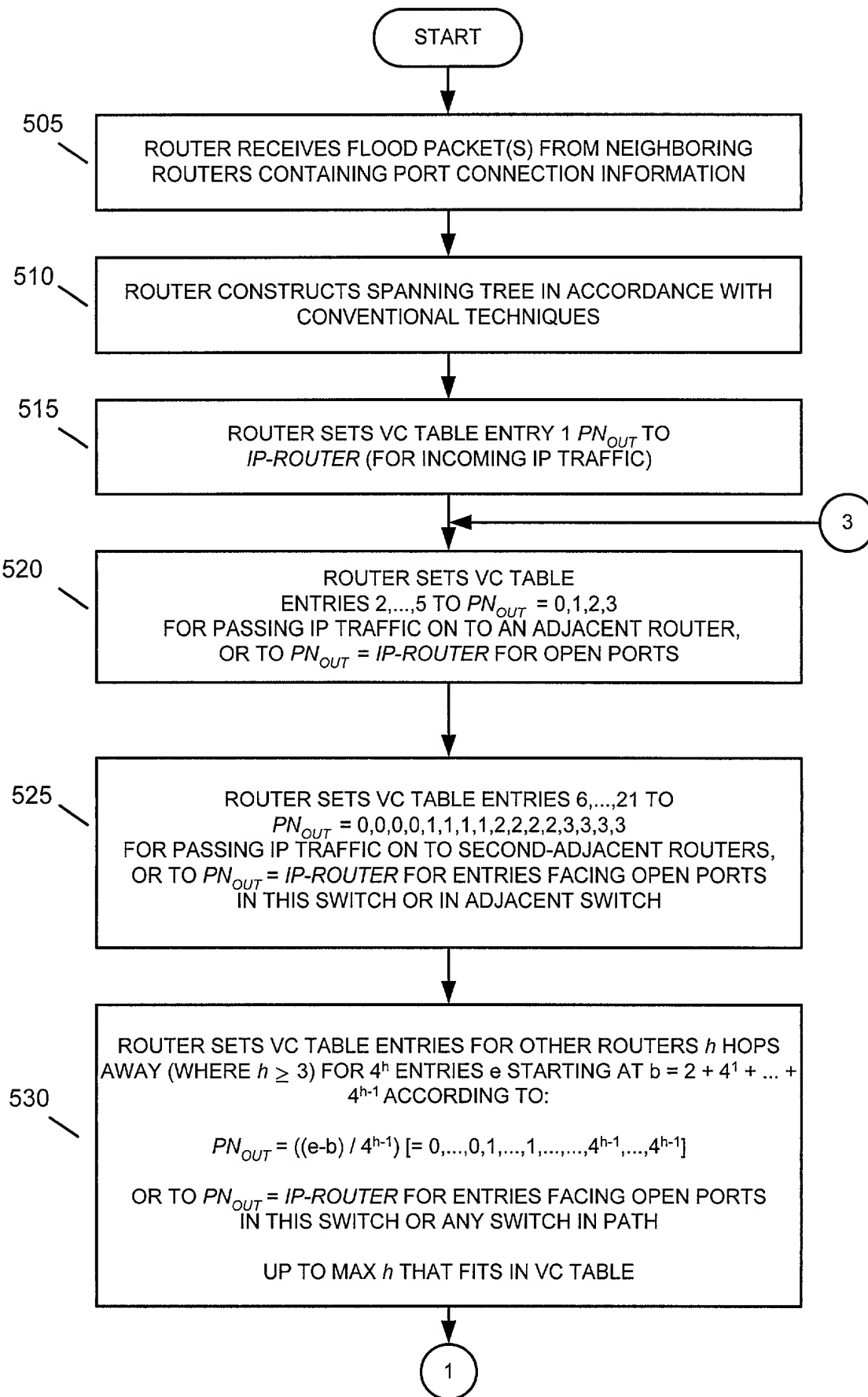
VC ENTRY 305	SWITCH OUTPUT PORT ( $PN_{OUT}$ ) 310	$VCI_{out}$ 315	VIRTUAL CIRCUIT LENGTH
1	IP ROUTER	1	0 HOPS -> IP
2	Port 0	1	1 HOP -- $PN_0$ -> IP
3	Port 1	1	1 HOP -- $PN_1$ -> IP
4	Port 2	1	1 HOP -- $PN_2$ -> IP
5	Port 3	1	1 HOP -- $PN_3$ -> IP
6	Port 0	2	2 HOPS -- $PN_0$ -> $PN_0$ -> IP
7	Port 0	3	2 HOPS -- $PN_0$ -> $PN_1$ -> IP
8	Port 0	4	2 HOPS -- $PN_0$ -> $PN_2$ -> IP
9	Port 0	5	2 HOPS -- $PN_0$ -> $PN_3$ -> IP
10	Port 1	2	2 HOPS -- $PN_1$ -> $PN_0$ -> IP
11	Port 1	3	2 HOPS -- $PN_1$ -> $PN_1$ -> IP
12	Port 1	4	2 HOPS -- $PN_1$ -> $PN_2$ -> IP
13	Port 1	5	2 HOPS -- $PN_1$ -> $PN_3$ -> IP
14	Port 2	2	2 HOPS -- $PN_2$ -> $PN_0$ -> IP
15	Port 2	3	2 HOPS -- $PN_2$ -> $PN_1$ -> IP
16	Port 2	4	2 HOPS -- $PN_2$ -> $PN_2$ -> IP
17	Port 2	5	2 HOPS -- $PN_2$ -> $PN_3$ -> IP
18	Port 3	2	2 HOPS -- $PN_3$ -> $PN_0$ -> IP
19	Port 3	3	2 HOPS -- $PN_3$ -> $PN_1$ -> IP
20	Port 3	4	2 HOPS -- $PN_3$ -> $PN_2$ -> IP
21	Port 3	5	2 HOPS -- $PN_3$ -> $PN_3$ -> IP

FIG. 3

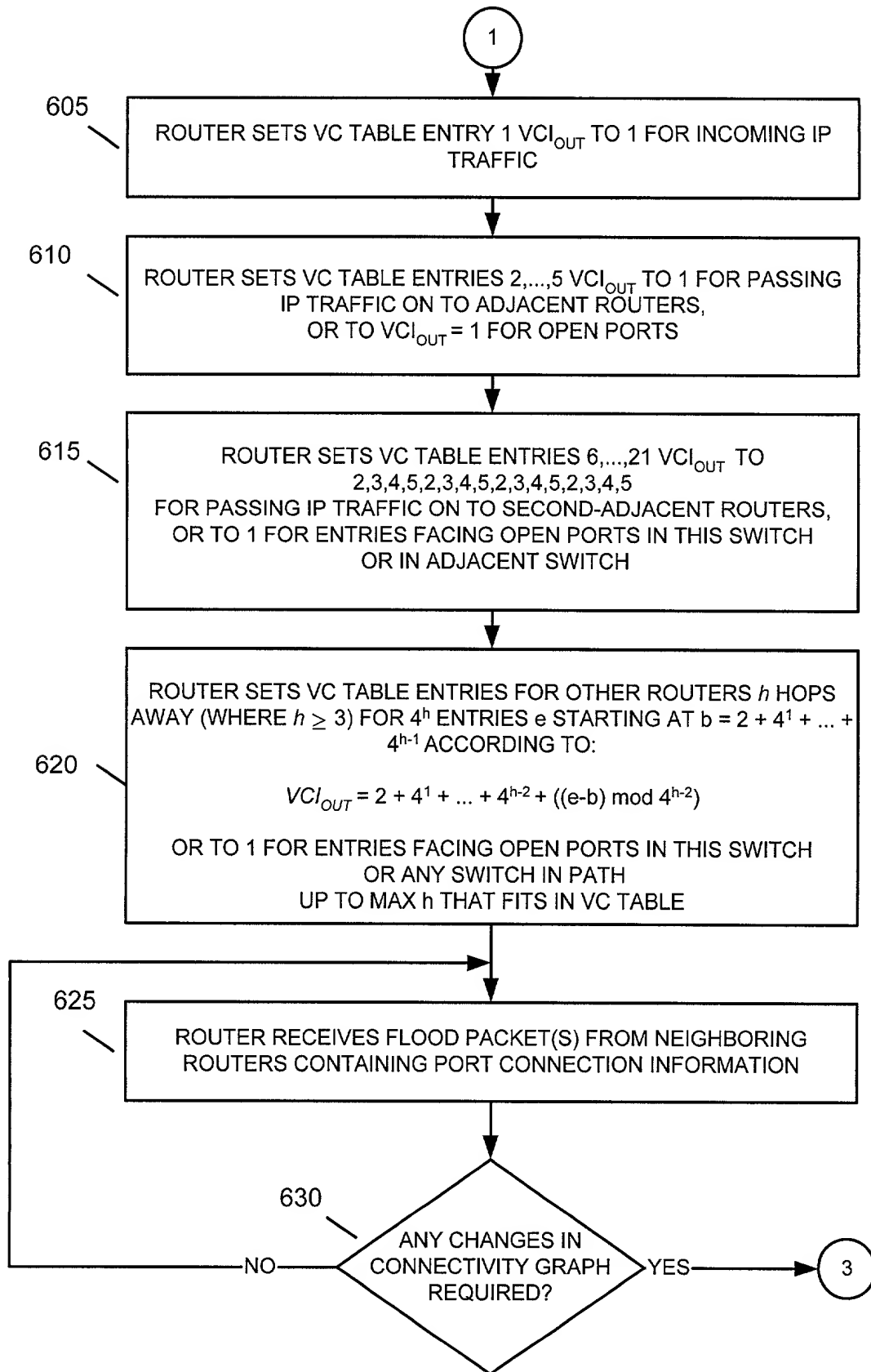
400

ROUTER# 405		ROUTER_B		
SEQ. # 410		SEQ_NUM		
NO. OF PORTS 415		VC BASE ENTRY NO. 420		MAX NO. OF HOPS SUPPORTED 425
LINKS 430	TO A	TO G	TO D	OPEN
METRICS 435	$M_1$	$M_2$	$M_3$	--
PORT NUMBER 440	0	1	2	3

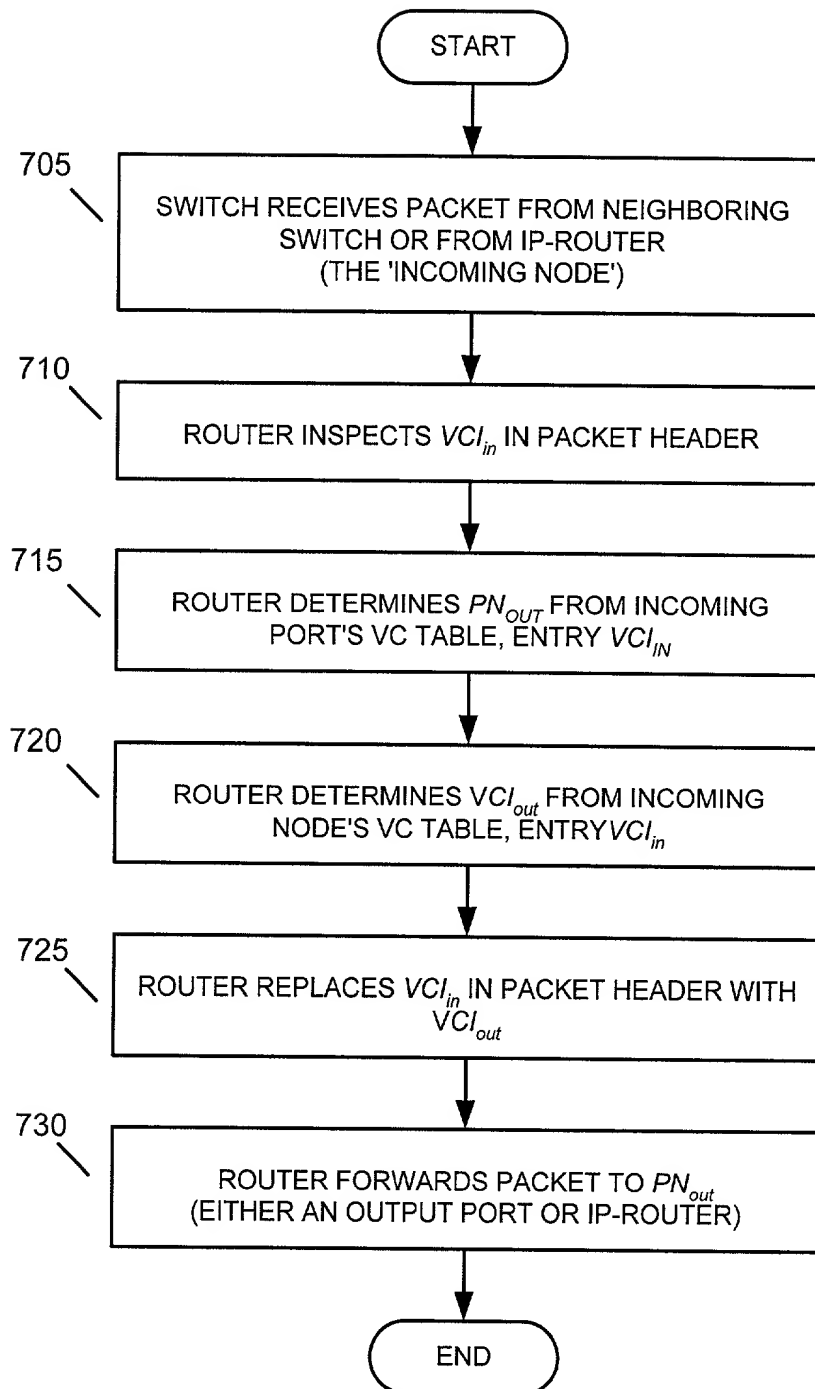
**FIG. 4**



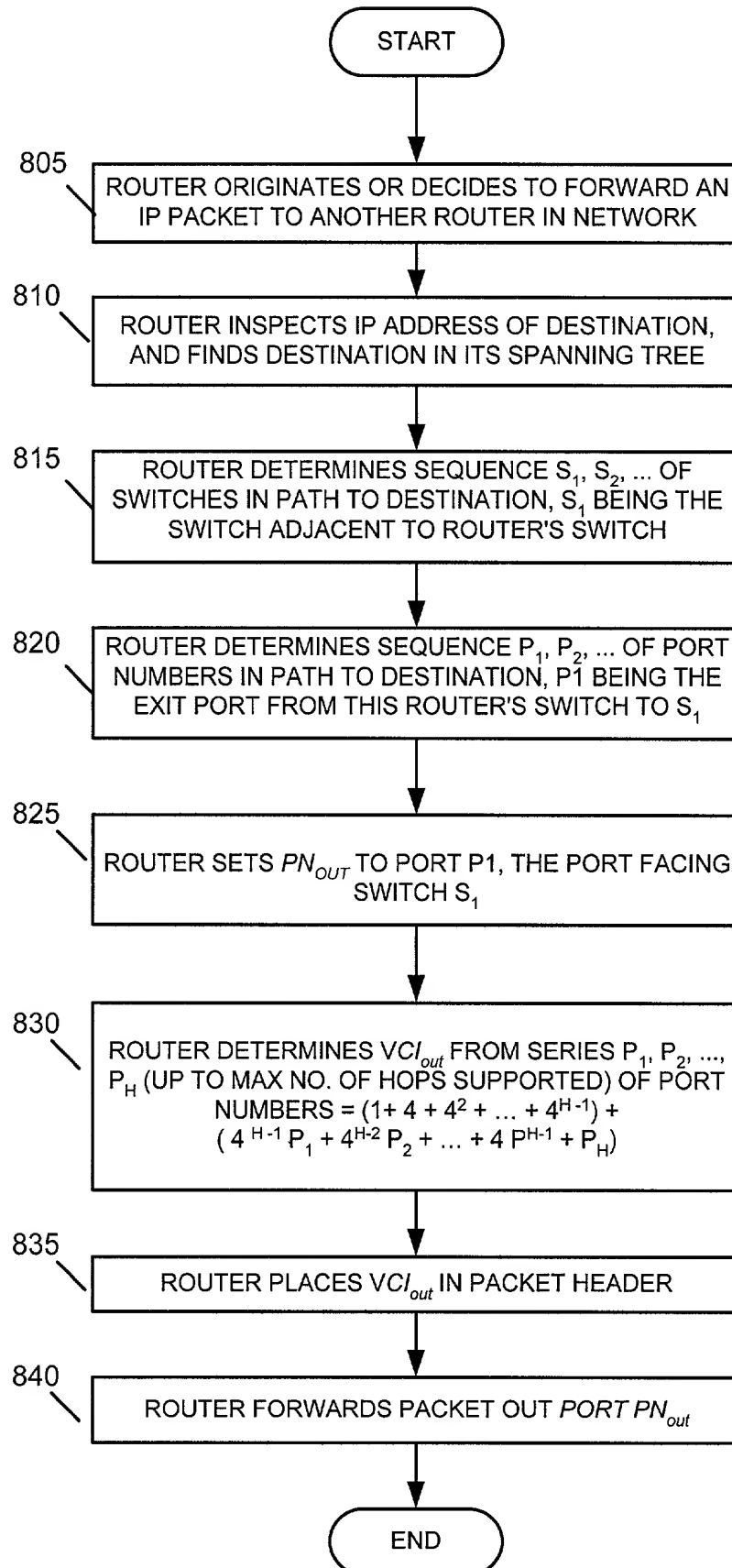
**FIG. 5**



**FIG. 6**



**FIG. 7**



**FIG. 8**